3:Will and Spinden E-5 (1905) 1906
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garters and belts of buffalo hair. But they did make string and willow matting. There is an account of a mat used on the seat before the fire. Henry[1] says that the mat was of small willows of equal size, fastened together by thread of native make passed through each stick about one foot apart. The mats were ten feet long, four feet broad, and the two ends for two and a half feet were raised slanting from the ground and supported by a kind of sofa. Verendrye says they made wicker work very neatly, flat, and in baskets.

The Mandans used snow-shoes which were only about two and a half feet long.[2] For their dyes and paints they made use of the following: red obtained from buffalo-berries, black from sunflowers, and yellow from a kind of moss which came from the Rocky Mountains. Blue, red, black, yellow and white clays were also used.

An indispensable article of the full dress was the fan. These were made from the large plumes of the eagle, hawk, crow, and a number of other birds, depending on the rank of the owner.

The Mandan pipes differed a trifle from those of their neighbors, being less ornate.[3] They were either of stone, black clay, or yellow clay painted black. The stone pipes were obtained mostly from the Dakotas. Pipes with wooden bowls, lined with stone, were also used. The stem was long and round or flat. Catlin describes one pipe as of red steatite (catlinite) with a stem three feet long, half its length wound with braids of porcupine quills. They also had the calumet pipe which will be considered in connection with the ceremonies.

The Mandans and their neighbors the Arikara and Hidatsa made glass beads, an art which they claimed was taught to them by the Snake Indians. They did not make the glass but used glass obtained through the whites. Lewis and Clarke[4] give a short account of the manufacture of beads which is exceedingly interesting. It may be thus summarized. The secret is known only to a few. Glass of several colors is pounded fine, each color separate; this is washed in several waters until the glass stops staining the water. They then take an

[1] Op. cit., vol. I, p. 340.
[2] Ibid., p. 301.
[3] Maximilian: p. 300.
[4] March 16, 1805.